MANUFACTURING NUMBERS:

9200560
9200562
9200600
9200602
9200606
9200608
9200614
9200624
9200626
9200628
9200630
9200631
9200632
9200634
9200616
9200620
9200622
9200638
9200640

Antunes Foodservice Equipment

DIVISION OF A.J. ANTUNES & CO. · ISO 9001 CERTIFIED

A BRAND OF A.J. ANTUNES & CO.

roundup

ANTUNES FOODSERVICE EQUIPMENT

VERTICAL CONTACT TOASTER

Model VCT-20/25/50

P/N 1010729 Rev C.05/04

Owner's Manual

TABLE OF CONTENTS

OWNER INFORMATION

General

The Vertical Contact Toaster, Models VCT-20, VCT-25 and VCT-50 are designed for contact toasting of buns. The toaster design allows the operator to place buns on both sides of the heated platen at the same time. Buns are placed into the top of the toaster and uniform, golden brown, warm buns are then retrieved at the bottom of the toaster. The Model VCT-20 is equipped with an auxiliary heating system which provides additional heat to the buns.

This manual provides the safety, installation and operating procedures for the Vertical Contact Toaster. We recommend that all information contained in this manual be read prior to installing and operating the unit.

Your Vertical Contact Toaster is manufactured from the finest materials available and is assembled to Roundup's strict quality standards. This unit has been tested at the factory to ensure dependable trouble-free operation.

Warranty Information

Please read the full text of the Limited Warranty in this manual.

If the unit arrives damaged, contact the carrier immediately and file a damage claim with them. Save all packing materials when filing a claim. Freight damage claims are the responsibility of the purchaser and are not covered under warranty.

The warranty does not extend to:

- Damages caused in shipment or damage as result of improper use.
- Installation of electrical service.
- Normal maintenance as outlined in this manual.
- Malfunction resulting from improper maintenance.
- Damage caused by abuse or careless handling.
- Damage from moisture into electrical components
- Damage from tampering with, removal of, or changing any preset control or safety device.

IMPORTANT! Keep these instructions for future reference. If the unit changes ownership, be sure this manual accompanies the equipment.

OWNER INFORMATION (continued)

Service/Technical Assistance

If you experience any problems with the installation or operation of your unit, contact your local Roundup Authorized Service Agency.

Fill in the information below and have it handy when calling your authorized service agency for assistance. The serial number is on the specification plate located on the rear of the unit.

Purchased From: _____

Date of Purchase: _____

Model No.: _____

Serial No.: _____

Mfg. No.: _____

Refer to the service agency directory included with your unit.

Authorized Service Agency

Name: _____

Phone No.: _____

Address: _____

Use only genuine Roundup replacement parts in this unit. Use of replacement parts other than those supplied by the manufacturer will void the warranty. Your Authorized Service Agency has been factory trained and has a complete supply of parts for this toaster.

You may also contact the factory at 1-877-392-7854 if you have trouble locating your local Authorized Service Agency.

A.J. Antunes & Co. reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

IMPORTANT SAFETY INFORMATION

Throughout this manual, you will find the following safety words and symbols that signify important safety issues with regards to operating or maintaining the equipment.

⚠ WARNING ⚠

GENERAL WARNING. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

⚠ WARNING ⚠

ELECTRICAL WARNING. Indicates information relating to possible shock hazard. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

⚠ CAUTION ⚠

GENERAL CAUTION. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment.

WARNING

HOT SURFACE WARNING. Indicates information important to the handling of equipment and parts. Failure to observe caution could result in personal injury.

In addition to the warnings and cautions in this manual, use the following guidelines for safe operation of the unit.

- Read all instructions before using equipment.
- For your safety, the equipment is furnished with a properly grounded cord connector. Do not attempt to defeat the grounded connector.
- Install or locate the equipment only for its intended use as described in this manual. Do not use corrosive chemicals in this equipment.
- Do not operate this equipment if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- This equipment should be serviced by qualified personnel only. Contact the nearest Roundup authorized service facility for adjustment or repair.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

The following warnings and cautions appear throughout this manual and should be carefully observed.

- Turn the unit off, disconnect the power source and allow unit to cool down before performing any service or maintenance on the unit.
- The procedures in this chapter may include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviated HCS (Hazard Communication Standard). See Hazard Communication Standard manual for the appropriated Material Safety Data Sheets (MSDS).
- The toaster should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.
- Bread may burn. Therefore toasters must not be used near or below curtains or other combustible walls and materials. Failure to maintain safe operating distances may cause discoloration or combustion.
- Failure to use release sheets may result in damage to the equipment and loss of warranty coverage.
- All electrical connections must be in accordance with local electrical codes and any other applicable codes.
- WARNING ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.
  - Electrical ground is required on this appliance.
  - Do not modify the power supply cord plug. If

IMPORTANT SAFETY INFORMATION (continued)

it does not fit the outlet, have a proper outlet installed by a qualified electrician.

- Do not use an extension cord with this appliance.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

SPECIFICATIONS

Electrical Ratings

Model	MFG. No.	Volts	Watts	Amps	Hz
VCT-20	9200560	280-240	3200-4257	15.4-17.3	50/60
VCT-25	9200620	120	1760	14.7	60
VCT-25	9200622	120	1760	14.7	60
VCT-25	9200624	120	1760	14.7	60
VCT-25	9200630	120	1760	14.7	60
VCT-25	9200626	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200628	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200631	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200632	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200634	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200638	208-240	2600-3460	12.5-14.4	50/60
VCT-50	9200600	120	1760	14.7	60
VCT-50	9200602	120	1760	14.7	60
VCT-50	9200606	208-240	2600-3460	12.5-14.4	50/60
VCT-50	9200608	208-240	2600-3460	12.5-14.4	50/60
VCT-50	9200614	208-240	2600-3460	12.5-14.4	50/60
VCT-50	9200616	208-240	2600-3460	12.5-14.4	50/60
VCT-25	9200640	230	2400	10.4	50/60

⚠ CAUTION ⚠

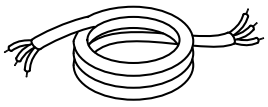
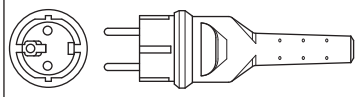
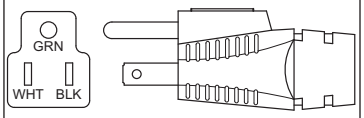
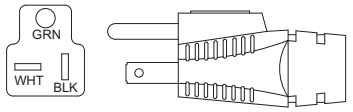
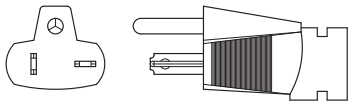
All electrical connections must be in accordance with local electrical codes and any other applicable codes.

⚠ WARNING ⚠

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL COULD RESULT IN SERIOUS INJURY OR DEATH.

- Electrical ground is required on this appliance.
- Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

Electrical Cord & Plug Configurations

Letter Code*	Description	Configuration
C H	Commercial Cord Harmonized Cord	
(H)C***	CEE 7/7, 16 Amp., 250 VAC (Assembly Only).	
(C)F**	5-15P, 15 Amp., 120 VAC., Non – Locking (Assembly Only).	
(C)T**	5–20P, 20 Amp., 120 VAC., Non – Locking (Assembly Only).	
(C)V**	6-20P, 20 Amp., 250 VAC., Non – Locking (Assembly Only).	

**** Used in Model Designation***
***** Indicates that the plug comes with a Commercial cord***
****** Indicates that the plug comes with a Harmonized cord***

Model Designation

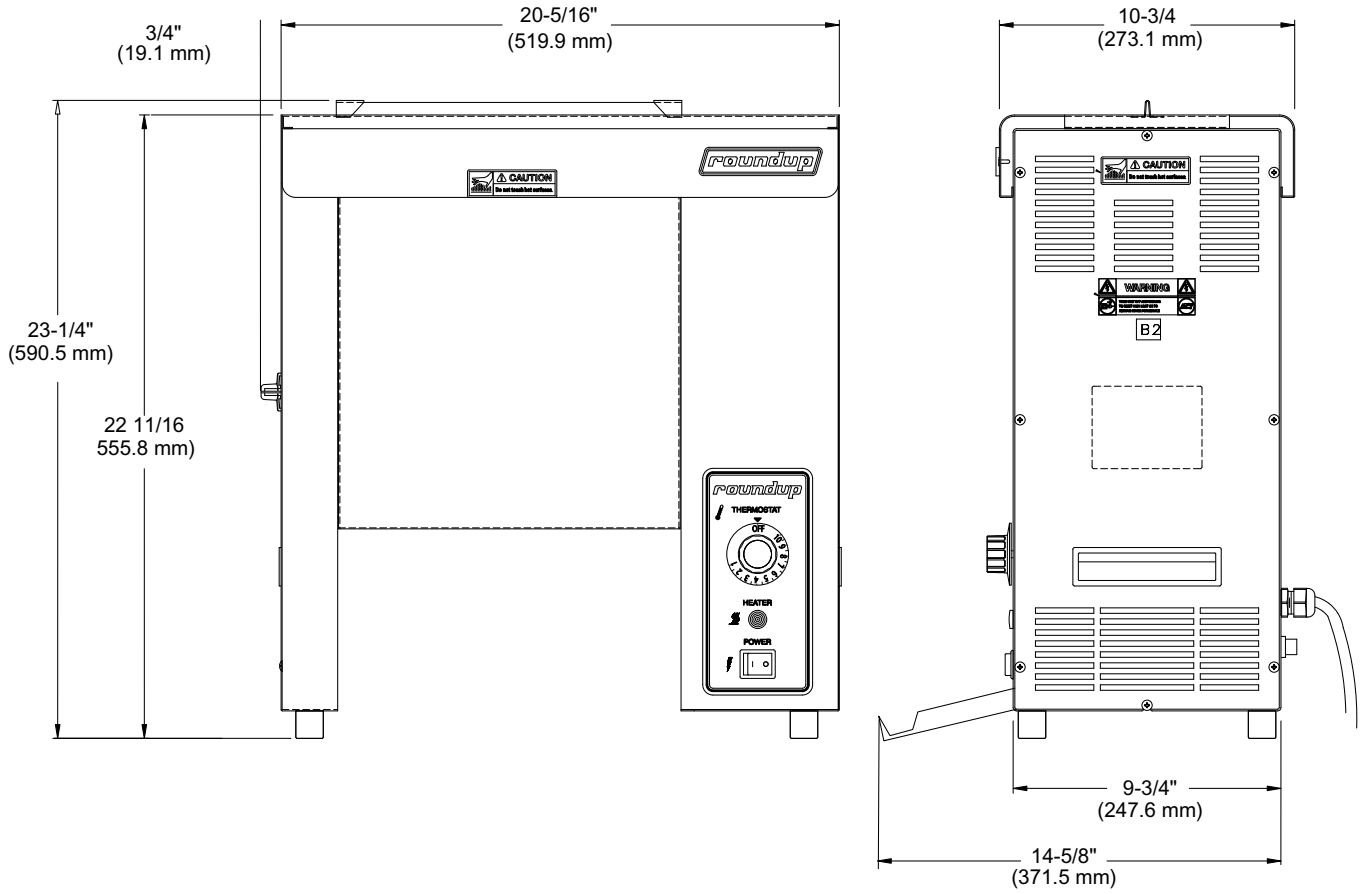
VCT-20XX
VCT-25XX
VCT-50XX

TYPE OF POWER CORD
H = HARMONIZED
C = COMMERCIAL

TYPE OF PLUG
V = NEMA 6-20P
F = NEMA 5-15P
T = NEMA 5-20P
C = CEE 7/7 Schuko

SPECIFICATIONS (continued)

Dimensions



INSTALLATION

Unpacking

1. Remove unit and all packing materials from shipping carton.
2. Open the large box. It should contain:
   - Bun chute (Figure 2)
   - Plastic bag containing the release sheet (Figure 4)
3. Remove all packing materials and protective coverings from the unit and parts.

NOTE: If any parts are missing or damaged, contact Antunes Technical Service IMMEDIATELY at 1-877-7854-392.

Assembling the Unit

1. Remove heat shield along with front and rear conveyor covers (Figure 1).
2. Install the damper assy. (Figure 1).

NOTE: Make sure the damper assy. rests only on the bottom front and rear yellow support rods.

3. Install the bun chute (Figure 2).
4. Remove the release sheet from the plastic bag and lay it on a clean, flat surface. Fold the sheet exactly in half (Figure 3).
5. Crease the sheet at the fold using only your finger (Figure 3).

NOTE: Do not use metal tools to crease the sheet.

6. Install the release sheet by draping it over both sides of the platen surface. The crease should be centered directly on top of the platen (Figure 4).

⚠ CAUTION ⚠
Failure to use release sheets may result in damage to the unit and loss of warranty coverage.

7. Re-install the front and rear conveyor covers (Figure 4).

IMPORTANT: Make sure the covers rest only on both the top and bottom yellow support rods.

8. Install the heat shield assy. The heat shield clips fit over the top of the platen and retains the release sheet (Figure 4).

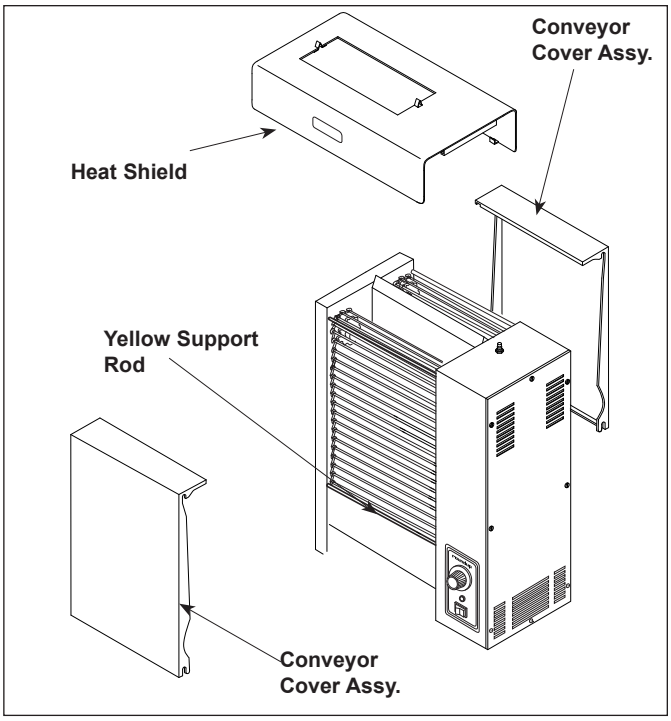


Figure 1. Installing Damper Assy.

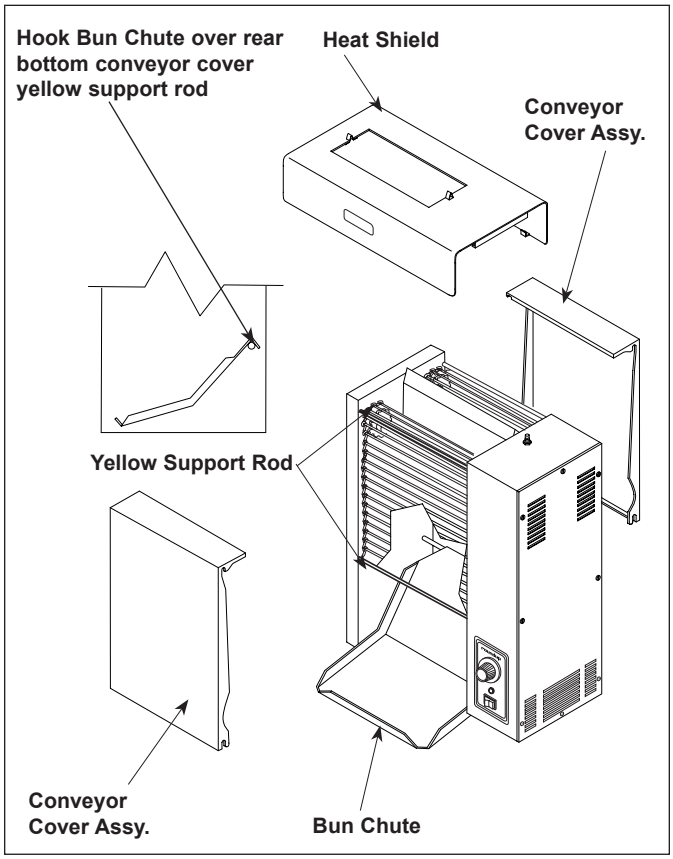


Figure 2. Installing Bun Chute

INSTALLATION (continued)

IMPORTANT: Make sure heat shield assy. is activating (depressing) the conveyor interlock switch (see Figure 4). The conveyors will not rotate unless the heat shield is in place and interlock switch is activated (depressed).

NOTE: Check the release sheet to make sure it is not caught in the conveyor. Additional release sheets can be obtained through your authorized service agency under part no. 7000110 (3 pack) or 7000111 (10 pack).

Equipment Setup

When placing the toaster into service, pay attention to the following guidelines.

- Make sure power to the unit is off and the toaster is at room temperature.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

Connect the unit to the power supply. Refer to the specification plate for the proper voltage.

⚠ WARNING ⚠

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL COULD RESULT IN SERIOUS INJURY OR DEATH.

- Electrical ground is required on this appliance.
- Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.
- The toaster should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

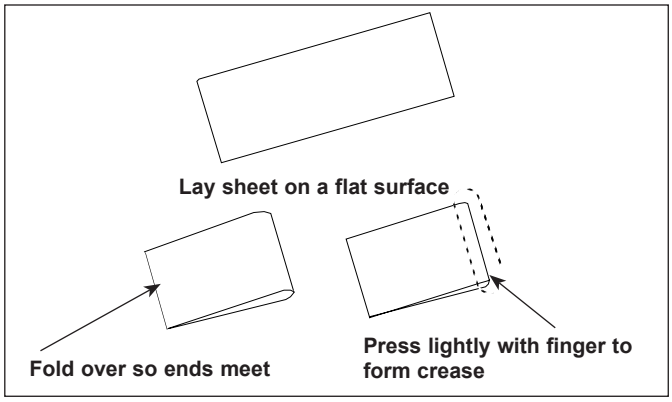


Figure 3. Folding Release Sheet

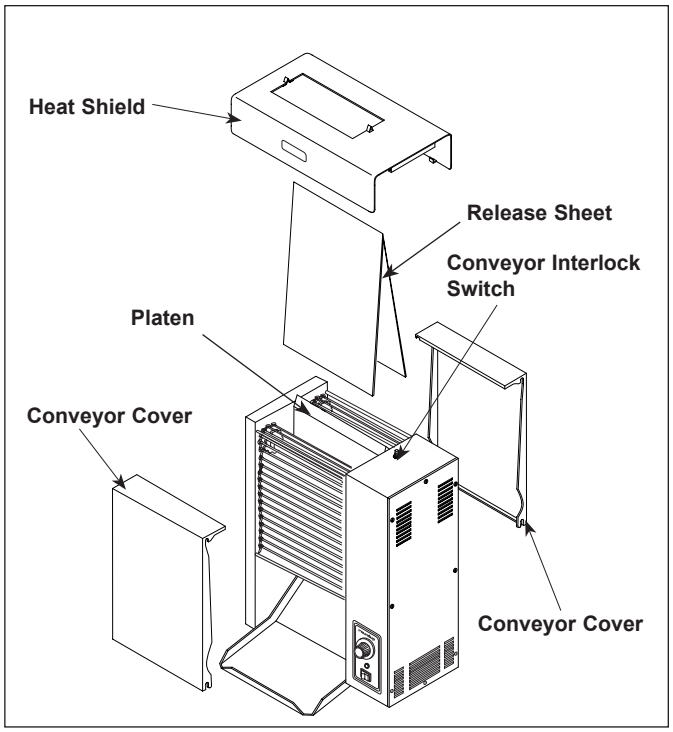


Figure 4. Installing Release Sheet

⚠ CAUTION ⚠

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

⚠ CAUTION ⚠

Bread may burn. Therefore toasters must not be used near or below curtains or other combustible walls and materials. Failure to maintain safe operating distances may cause discoloration or combustion.

OPERATION

Operating Instructions

1. Set the bun adjustment controls (Figure 6) to the desired settings.

NOTE: After initial run of 4-6 buns, adjust controls according to the desired finished product.

2. Turn the rocker switch on (Figure 5).
3. Turn the temperature control to 10. Allow 30 minutes warm-up time before proceeding.
4. Drop buns into toaster (Figure 5). Cut sides of heel and crown must face each other.
5. Toasted product will drop into the bun landing area (Figure 5).
6. Test at least 4 buns before putting toaster into service. Turn temperature control to lower setting for lighter toasting or to higher setting for darker toasting.

7 Turn the rocker switch off when finished toasting

Safety Features

HI-LIMIT RESET BUTTON

A hi-limit thermostat will turn off electrical power to the heater and control circuits if the unit overheats. To reset this thermostat, allow sufficient time (10-15 minutes) for the unit to cool down, then fully depress the reset button located at the rear of the unit (Figure 5).

If the unit requires continuous resetting, contact your Roundup authorized service agency.

CONVEYOR INTERLOCK SWITCH

A conveyor interlock switch is located on top of the unit under the heat shield (Figure 4). The conveyors will not rotate unless the heat shield is in place and interlock switch is activated (depressed).

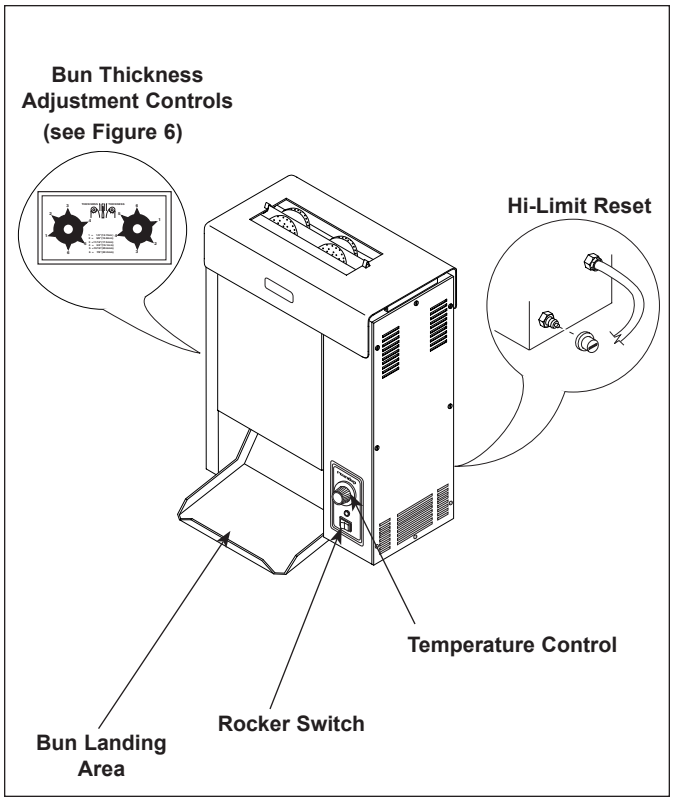


Figure 5. Toaster Controls

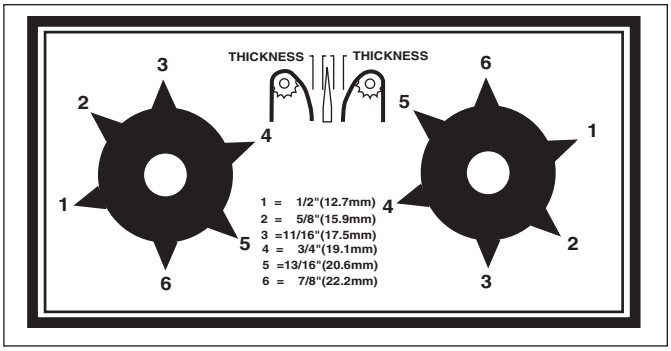


Figure 6. Bun Thickness Adjustment Controls

MAINTENANCE

⚠WARNING ⚠

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

Maintenance Schedule

DAILY

1. Turn off power to the toaster.
2. When the toaster is cool, follow the procedures under Cleaning the Release Sheet.
3. Remove heat shield and bun chute. Wash in back sink, sanitize and rinse.
4. Wipe down the outside of the toaster with a slightly damp cloth and allow to air dry.

Cleaning the Release Sheet

1. Turn the rocker switch to off, unplug the unit and allow it to cool down.
2. Put on protective gloves. Remove heat shield and release sheet (Figure 7).
3. Wipe release sheet on both sides with a clean, sanitized towel.
4. Remove front and rear conveyor cover assys. (Figure 4). Wipe exterior of conveyor belt with a clean, sanitized towel.
5. Install front and rear cover assys. (Figure 4) then turn toaster on. Count to 10, then turn toaster off. Remove front and rear cover assys. and wipe new section of belt. Re-install the front and rear cover assemblies.
6. Install the release sheet by draping it over both sides of the platen with the crease centered directly on the platen (Figure 7).
7. Install the heat shield (Figure 7). The heat shield clips fit over the tip of the platen and retain the release sheet.

IMPORTANT: Make sure heat shield assy. is activating (depressing) the conveyor interlock switch (see Figure 7). The conveyors will not rotate unless the heat shield is in place and interlock switch is activated (depressed).

⚠CAUTION ⚠

To prevent damage to the unit, do not use abrasive cleaners on the release sheet.

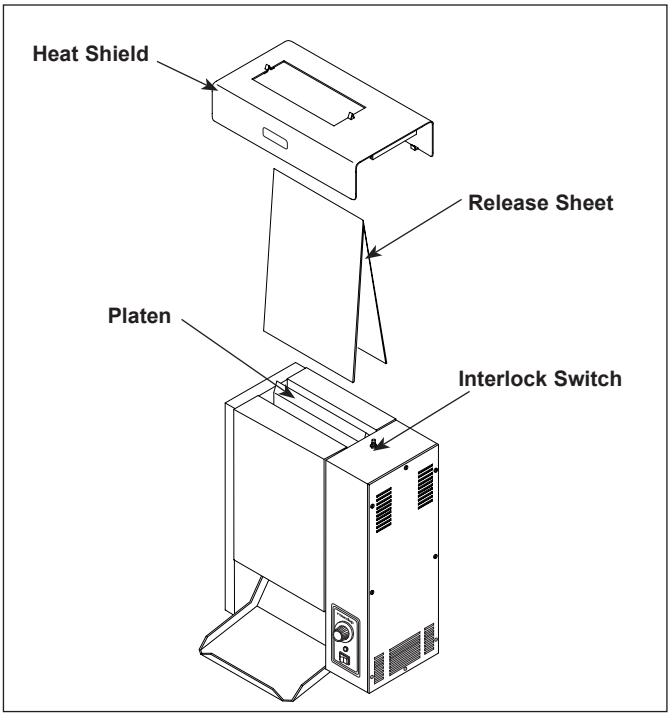


Figure 7. Removing/Installing Release Sheet

NOTE: Check the release sheet to make sure it is not caught in the conveyor. Additional release sheets can be obtained through your authorized service agency under part no. 7000110 (3 pack) or 7000111 (10 pack).

Conveyor Belts–Removing, Servicing & Replacing

REMOVING THE CONVEYOR BELT

1. Turn the rocker switch to off, unplug the unit and allow it to cool down.
2. Remove the heat shield, front and rear conveyor covers and release sheet (Figure 4).

NOTE: When replacing conveyor belt, it is recommended that the release sheet cleaning procedures be performed.

3. Set both compression knobs to: 6 = 7/8” (22.2 mm).
4. Disconnect the conveyor belt by squeezing any two links together and unhooking both ends of one link (Figure 8). A needle-nose pliers may be required. Remove conveyor belt.

NOTE: With conveyor belt removed, the tensioner assemblies (4, page 24) and slide rails (40, page 24) can be replaced.

MAINTENANCE (continued)

SERVICING CONVEYOR BELTS

After a period of time, the conveyor belt links will wear and the conveyor belt will stretch. This will eventually cause the conveyor to jam as it rotates on the sprockets. This is easily remedied by removing one or more conveyor links from each side of the belt.

There are four 1/2" pitch links on each conveyor belt. The rest of the links are 3/4".

1. Remove conveyor belt as described previously on page 10.
2. To shorten a stretched conveyor belt, remove one 1/2" link from the belt.
3. Reassemble the belt to the sprockets as described below.

NOTE: If the belt is too short (tight) to be reassembled, remove an additional 1/2" link and install a 3/4" link. This will make the conveyor belt 1/4" shorter and enable it to be reassembled.

IMPORTANT: This is not covered under warranty. It is a user responsibility.

REPLACING CONVEYOR BELTS

1. Remove old conveyor belt as described previously on page 10.
2. Place replacement conveyor belt on top sprockets. Check for correct positioning (Figure 8).

NOTE: Install conveyor belt so that the ends of the hooks are facing down.

3. Wrap conveyor belt around lower sprockets and connect by hooking both ends of the belt back together. A needle-nose pliers may be required.
4. Re-intall front and rear conveyor covers, release sheet and heat shield.

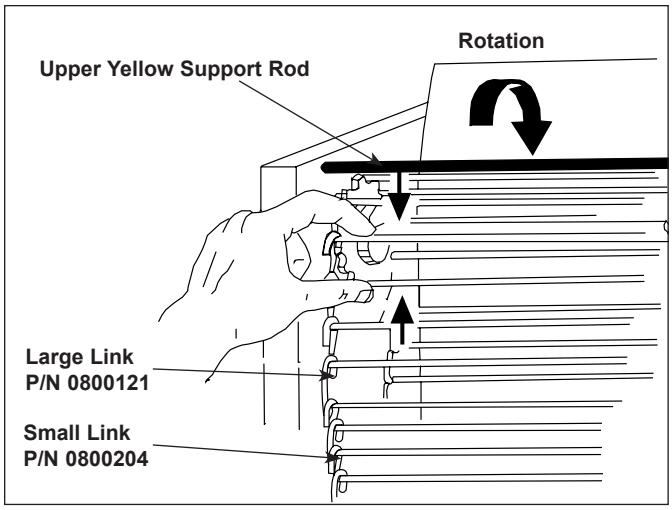


Figure 8. Removing Conveyor Belt

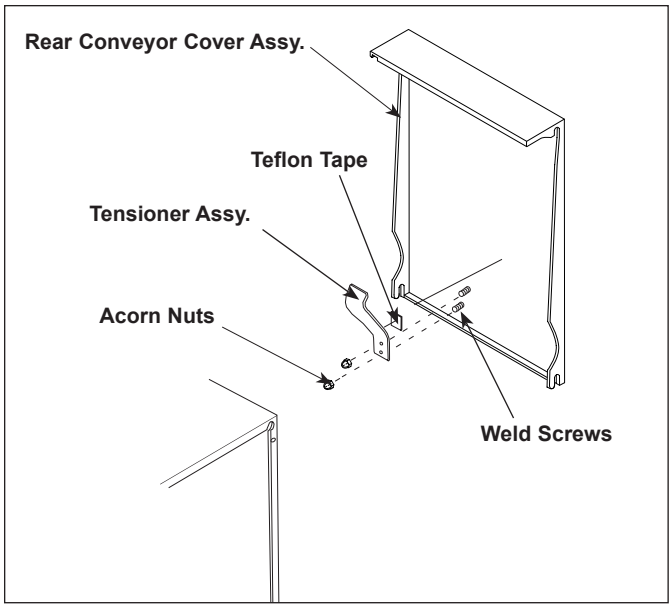


Figure 9. Replacing Spring Tensioner Assy.

Replacing Spring Tensioners

1. Remove acorn nuts (Figure 9).
2. Remove old spring tensioner assy.
3. Replace tensioner assy. and reassemble.

MAINTENANCE (continued)

4. Make sure the spacers are placed inside the tensioner arm. The spacers are smaller than the holes to allow the tensioner to pivot freely.

Replacing Conveyor Motor and Fan Blade

NOTE: A small amount of Loctite (Blue & Red) is required for proper gear motor installation.

1. Remove control cover.
2. Disconnect the motor wires and remove the drive motor and drive motor bracket (Figure 10). Discard the 8-32 x 5/16" mounting bracket screws.
3. Remove the motor sprocket using a hex wrench.
4. Remove the drive motor bracket from the gear motor. Save the four 10-32 x 3/8" pan head screws (P/N 310P154).
5. Place one drop of Loctite (Blue) into each threaded hole in the gear reducer casting. Attach the drive motor bracket to the gear reducer using the original four 10-32 x 3/8" screws (310P154) removed in step 3.
6. Attach the motor sprocket to the gear reducer as shown in Figure 10.

NOTE: Be sure sprocket setscrew is positioned on the flat of the gear reducer shaft. Maintain the 3/16" dimension as shown in Figure 11. Apply Loctite (Blue) to threads of setscrew and tighten securely.

7. Using the four new 8-32 x 5/16" stainless steel SEMS truss head screws (P/N 308P151), attach the drive motor bracket to the mounting bracket. DO NOT tighten screws at this time.
8. Place the drive chain on the sprocket and push down on motor. Allow 1/4" (0.6 mm) play at middle of drive chain, then tighten mounting screws while holding motor. Check drive chain play after tightening screws.
9. Re-connect motor wires, one at a time.
10. Re-install control cover.

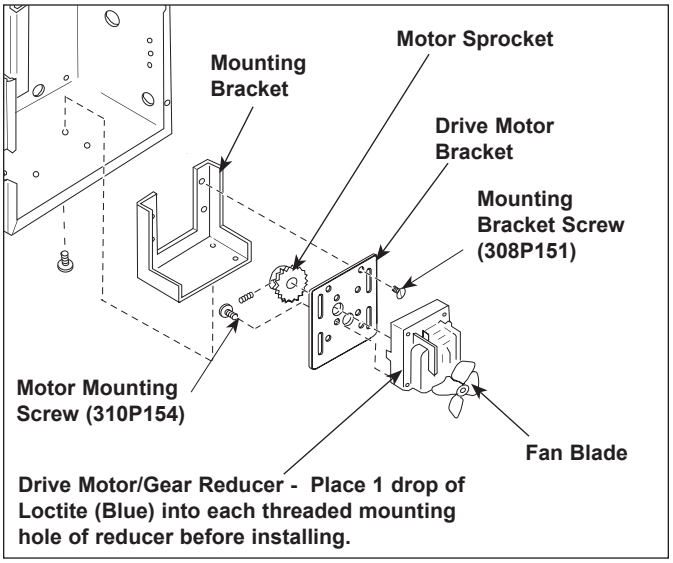


Figure 10. Replacing Drive Motor and Fan Blade

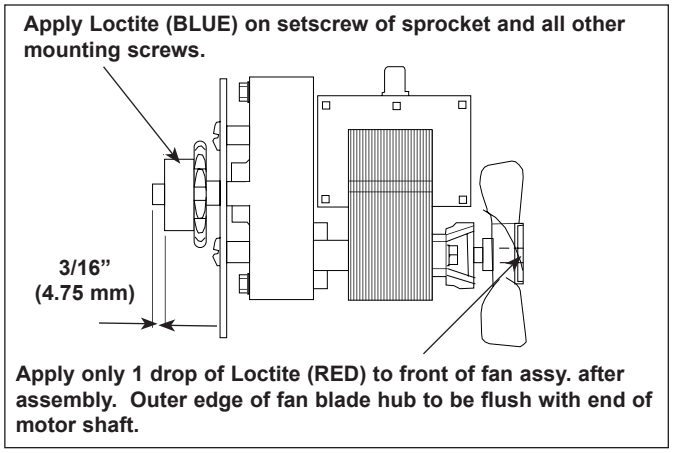


Figure 11. Replacing Drive Motor and Fan Blade

TROUBLESHOOTING

⚠ WARNING ⚠

To avoid possible personal injury and/or damage to the unit, inspection, test and repair of electrical equipment should be performed by qualified service personnel. The unit should be unplugged when servicing, except when electrical tests are required. Use extreme care during electrical circuit tests. Live circuits will be exposed.

Problem	Possible Cause	Corrective Action
No heat and conveyor belts do not move.	Toaster is installed incorrectly.	Perform installation and operating procedures (pages 7-9).
	Not enough voltage, defective power cord, defective rocker switch.	Check receptacle for correct voltage. See Specifications (page 5). With unit plugged in and rocker switch on, check for correct voltage into rocker switch. If low or zero voltage, replace power cord. If voltage is correct, check for correct voltage out of rocker switch. If low or no voltage, replace rocker switch.
	Hi-limit switch tripped open.	Reset hi-limit switch (Fig. 5, page 9).
	Wiring problem.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
No heat and conveyor belts move.	Wiring problem.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
	Inoperative platen.	To check platen: Use an Ohm meter to test resistance of the platen heater (disconnect 1 wire to isolate heater). Correct cold resistance for heating element of platen are as follows: 120 Volts, 1750 Watts - 7.8 Ohms 208 Volts, 2550 Watts - 16.2 Ohms 230 Volts, 1900 Watts - 26.5 Ohms VCT-20 only. The auxiliary heaters are 144.2 Ohms at 208V/300 Watts.

TROUBLESHOOTING (continued)

Problem	Possible Cause	Corrective Action
Platen is hot and conveyor belts do not move.	Toaster is installed incorrectly.	Perform installation and operating procedures (pages 7-8).
	Wiring problems.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
	Drive motor inoperable or incorrect conveyor drive motor.	To check drive motor: 1. Measure resistance of motor coil. Replace motor if coil measures either open circuit or zero resistance. 2. Mark the drive motor sprocket and count the turns per minute. Correct drive motor speed is nine (9) turns per minute for VCT-20; three (3) turns per minute for VCT-25; one (1) turn per minute for VCT-50.
	Broken drive chain or loose sprocket.	Check drive chain for kinks, broken or bent links or other damage. Check motor sprocket and drive sprockets (on drive shaft); tighten setscrew on flat of shaft if required. Check for damaged/worn sprockets and replace as required.
	Heat shield. not installed.	Install heat shield.
	Conveyor belts installed incorrectly.	Install conveyor belt to match diagram in Fig. 8 (page 11). Be sure that ends of the hooks are facing down.
	Conveyor interlock switch not depressed.	Install heat shield. correctly.
	Spring tensioner assy. or tensioner bent or missing.	Replace spring tensioner assy(s). (29, page 22) or tensioners (4, page 24) if damaged or loose. Replace slide rails (40, page 24) if worn or missing.
	Conveyor belt too loose or missing links (41 links required when new). When new, conveyor has 37 large links and 4 small links.	Remove conveyor belt (page 11). Lay belt flat and count links. Replace entire belt if links are damaged. If conveyor belt has too much play, it will jam. Adjust belt length as described under Servicing Conveyor Belts (page 11).

TROUBLESHOOTING (continued)

Problem	Possible Cause	Corrective Action
Product is over-toasted or platen heat is too high or drop time is too slow	Temperature set too high.	Set temperature control at a lower setting.
	Bun adjustment controls set incorrectly.	Measure bun thickness and set bun adjustment controls correctly (Fig. 6, page 9).
	Buns sticking on release sheet.	Clean or replace release sheet or conveyor belt wrap.
	Conveyor cover assy(s) not installed.	Install conveyor cover assy(s).
	Conveyor belts installed incorrectly	Install conveyor belt to match diagram in Fig. 8 (page 11). Be sure that ends of the hooks are facing down.
	Defective platen.	To check platen: Use an Ohm meter to test resistance of the platen heater (disconnect 1 wire to isolate heater). Correct cold resistance for heating element of platen are as follows: 120 Volts, 1750 Watts - 7.8 Ohms 208 Volts, 2550 Watts - 16.2 Ohms 230 Volts, 1900 Watts - 26.5 Ohms VCT-20 only. The auxiliary heaters are 144.2 Ohms at 208V/300 Watts.
	Defective or wrong drive motor.	To check drive motor: 1. Measure resistance of motor coil. Replace motor if coil measures either open circuit or zero resistance. 2. Mark the drive motor sprocket and count the turns per minute. Correct drive motor speed is nine (9) turns per minute for VCT-20; three (3) turns per minute for VCT-25; one (1) turn per minute for VCT-50.
	Defective drive chain or loose sprocket.	Check drive chain for kinks, broken or bent links or other damage. Check motor sprocket and drive sprockets (on drive shaft); tighten setscrew on flat of shaft if required. Check for damaged/worn sprockets and replace as required.
	Wiring problem.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
	Conveyor belt too loose or missing links (41 links required when new). When new, conveyor has 37 large links and 4 small links.	Remove conveyor belt (page 11). Lay belt flat and count links. Replace entire belt if links are damaged. If conveyor belt has too much play, it will jam. Adjust belt length as described under Servicing the Conveyor Belt (page 10).

TROUBLESHOOTING(continued)

Problem	Possible Cause	Corrective Action
Product is over-toasted or platen heat is too high or drop time is too slow. (continued).	Spring tensioner assy(s). or tensioner bent or missing.	Replace spring tensioner assy(s). (29, page 20) or tensioners (4, page 24) if damaged or loose. Replace slide rails (40, page 24) if worn or missing.
	Bun adjustment controls set incorrectly.	Measure bun thickness and set bun adjustment controls correctly (page 9).
Product is under toasted or platen heat is too low or drop time is too fast.	Not enough voltage, defective power cord, defective rocker switch.	Confirm platen temperature reading with a pyrometer or other temperature source. Check receptacle for correct voltage. See Specifications (page 5). With unit plugged in and rocker switch on, check for correct voltage into rocker switch. If low or zero voltage, replace power cord. If voltage is correct, check for correct voltage out of rocker switch. If low or no voltage, replace rocker switch.
	Wiring problem.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
	Platen inoperative.	To check platen: Use an Ohm meter to test resistance of the platen heater (disconnect 1 wire to isolate heater). Correct cold resistance for heating element of platen are as follows: 120 Volts, 1750 Watts - 7.8 Ohms 208 Volts, 2550 Watts - 16.2 Ohms 230 Volts, 1900 Watts - 26.5 OhmsVCT-20 only. The auxiliary heaters are 144.2 Ohms at 208V/300 Watts.
	Conveyor drive motor inoperative or incorrect conveyor motor installed in toaster.	To check drive motor: 1. Measure resistance of motor coil. Replace motor if coil measures either open circuit or zero resistance. 2. Mark the drive motor sprocket and count the turns per minute. Correct drive motor speed is nine (9) turns per minute for VCT-20; three (3) turns per minute for VCT-25; one (1) turn per minute for VCT-50.
Product is getting stuck or conveyor belts stop when product is toasting.	Bun adjustment controls set incorrectly.	Measure bun thickness and set bun adjustment controls correctly (page 9).
	Conveyor release sheet not clean or missing.	Clean respective items. Refer to Maintenance Schedule (page 10).

TROUBLESHOOTING (continued)

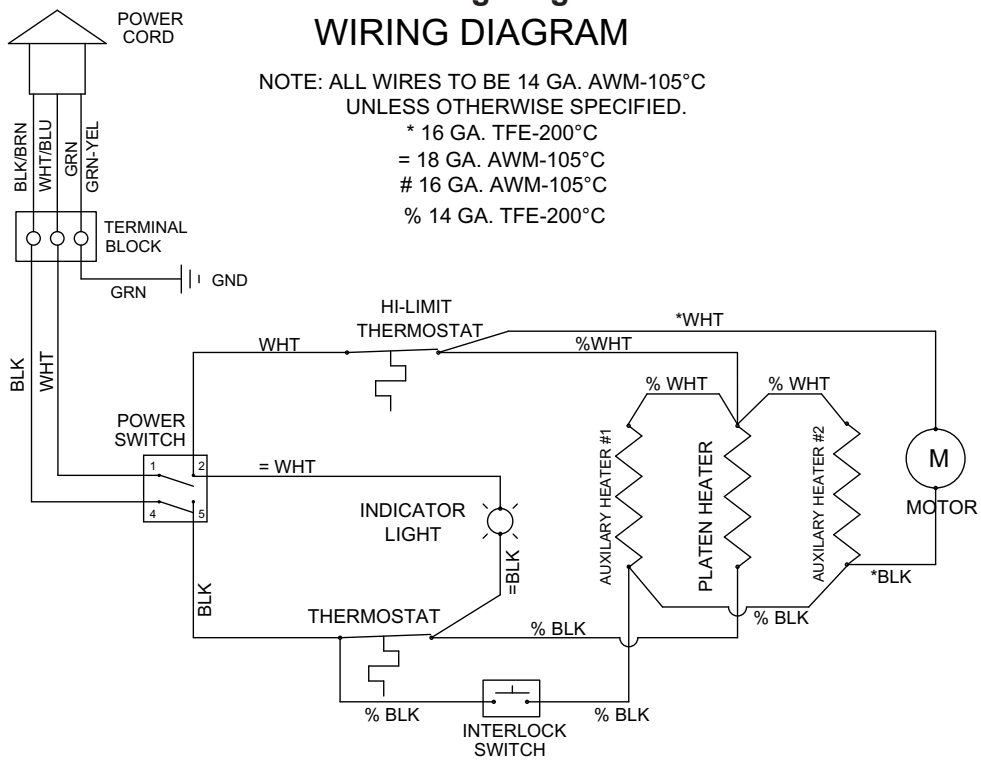
Problem	Possible Cause	Corrective Action
Product is getting stuck or conveyor belts stop when product is toasting (continued).	Not enough voltage, defective power cord or rocker switch.	Check receptacle for correct voltage. See Specifications (page 5). With unit plugged in and rocker switch on, check for correct voltage into rocker switch. If low or zero voltage, replace power cord. If voltage is correct, check for correct voltage out of rocker switch. If low or no voltage, replace rocker switch.
	Wiring problem.	Check all electrical connections for burns, discoloration or arcing. Replace all connections or components with damaged terminals. Replace all damaged wiring with the same (or higher) rated wire.
	Conveyor drive motor inoperative or incorrect conveyor motor installed on toaster.	To check drive motor: 1. Measure resistance of motor coil. Replace motor if coil measures either open circuit or zero resistance. 2. Mark the drive motor sprocket and count the turns per minute. Correct drive motor speed is nine (9) turns per minute for VCT-20; three (3) turns per minute for VCT-25; one (1) turn per minute for VCT-50.
	Conveyor drive chain loose, worn or broken. Loose motor drive sprocket.	Check drive chain for kinks, broken or bent links or other damage. Check motor sprocket and drive sprockets (on drive shaft); tighten setscrew on flat of shaft if required. Check for damaged/worn sprockets and replace as required.
	Conveyor cover assy(s). not installed, or improperly installed.	Install conveyor cover assy(s).
	Conveyor belts installed incorrectly.	Install conveyor belt to match diagram in Fig. 8 (page 11). Be sure that ends of the hooks are facing down.
	Conveyor belt too loose or missing links (41 links required when new). When new, conveyor has 37 large links and 4 small links.	Remove conveyor belt (page 11). Lay belt flat and count links. Replace entire belt if links are damaged. If conveyor belt has too much play, it will jam. Adjust belt length as described under Servicing the Conveyor Belt (page 11).
	Spring tensioner assy(s). or tensioner bent or missing.	Replace spring tensioner assy(s). (29, page 22) or tensioners (4, page 24) if damaged or loose. Replace slide rails (40, page 24 worn or missing.

TROUBLESHOOTING (continued)

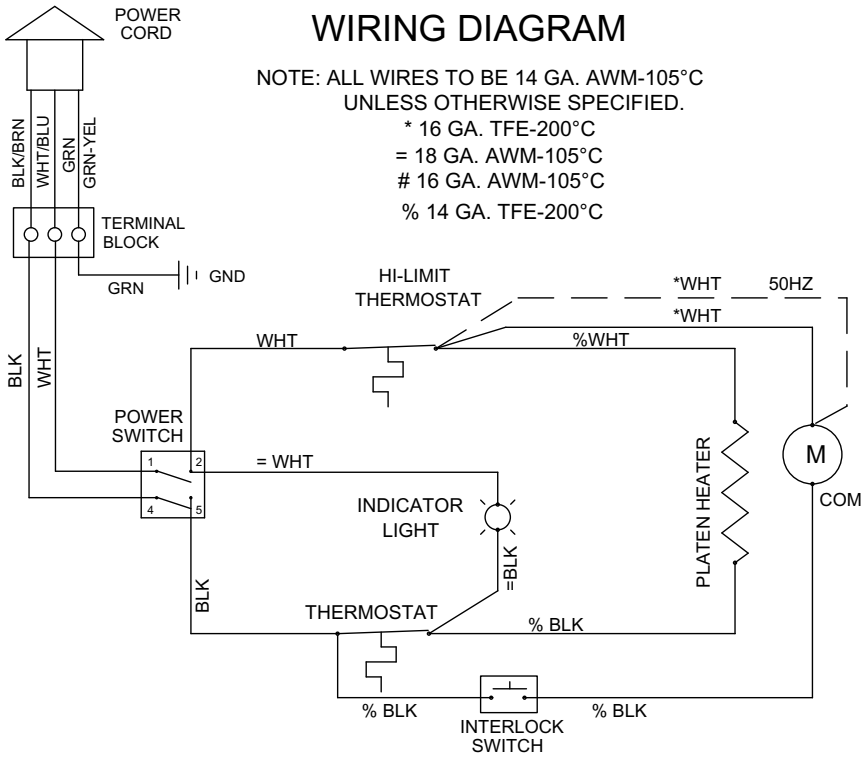
Problem	Possible Cause	Corrective Action
Conveyor belts are "jumping" or "snapping".	Toaster is installed incorrectly.	Perform installation and operating procedures (pages 7-9).
	Bun adjustment controls set incorrectly.	Measure bun thickness and set bun adjustment controls correctly (page 9).
	Conveyor drive motor inoperative or incorrect conveyor motor installed on toaster.	To check drive motor: 1. Measure resistance of motor coil. Replace motor if coil measures either open circuit or zero resistance. 2. Mark the drive motor sprocket and count the turns per minute. Correct drive motor speed is nine (9) turns per minute for VCT-20; three (3) turns per minute for VCT-25; one (1) turn per minute for VCT-50.
	Conveyor drive chain loose, worn or broken. Loose motor drive sprocket.	Check drive chain for kinks, broken or bent links or other damage. Check motor sprocket and drive sprockets (on drive shaft); tighten setscrew on flat of shaft if required. Check for damaged/worn sprockets and replace as required.
	Conveyor belts installed incorrectly.	Install conveyor belt to match diagram in Fig. 8 (page 10). Be sure that ends of the hooks are facing down.
	Conveyor belt too loose or missing links (41 links required when new). When new, conveyor has 37 large links and 4 small links.	Remove conveyor belt (page 11). Lay belt flat and count links. Replace entire belt if links are damaged. If conveyor belt has too much play, it will jam. Adjust belt length as described under Servicing the Conveyor Belt (page 11).
	Spring tensioner assy(s). or tensioner bent or missing.	Replace spring tensioner assy(s). (29, page 22) or tensioners (4, page 24) if damaged or loose. Replace slide rails (40, page 24 worn or missing.
Crown and/or heel must be forced into toaster.	Heat shield improperly installed. Crown and/or heel improperly inserted into toaster.	Remove and reposition heat shield. Buns must be inserted with cut faces facing each other; heel in front slot and crown in rear slot.

WIRING DIAGRAM

Pictorial Wiring Diagram VCT-20

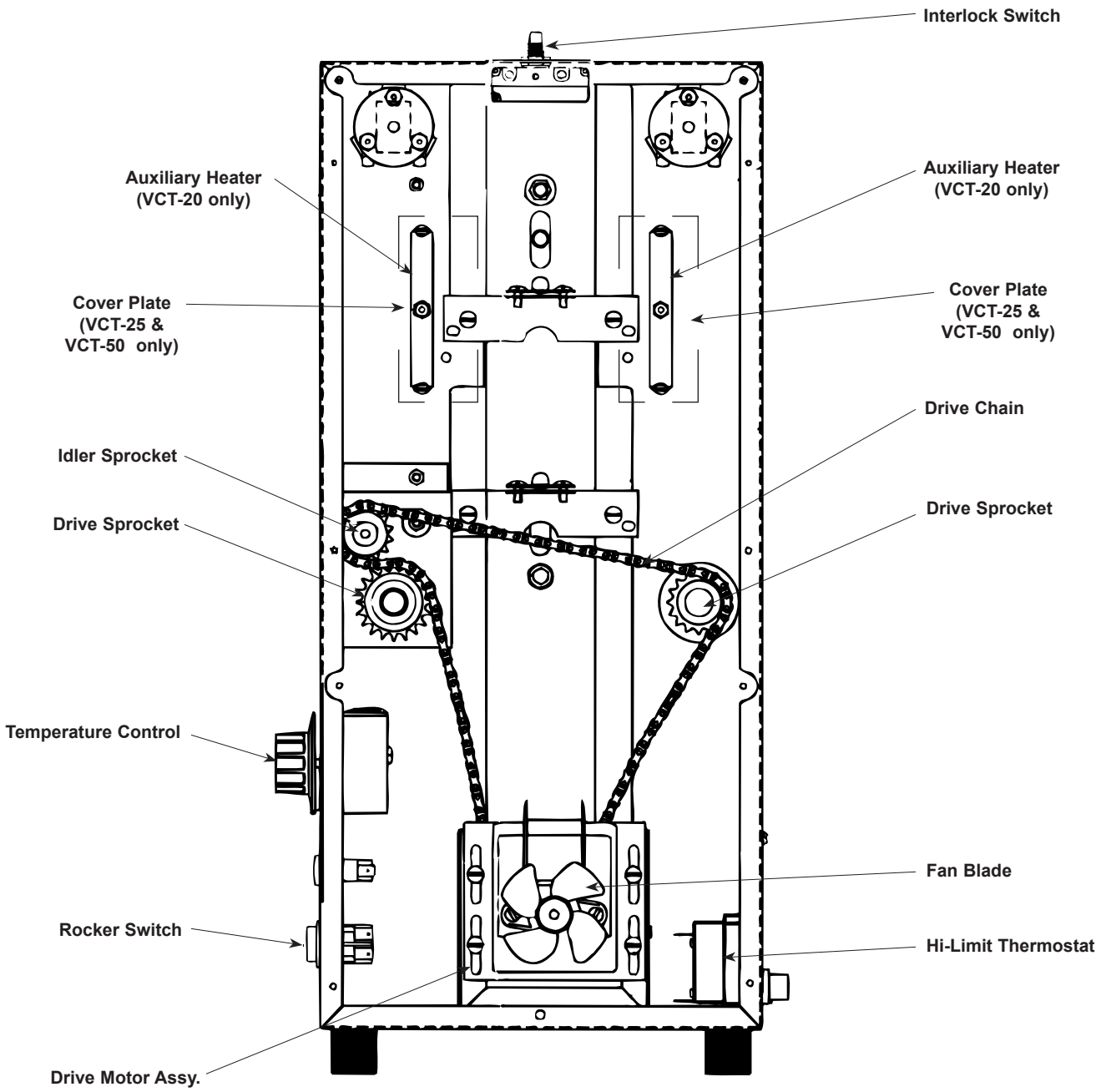


Pictorial Wiring Diagram VCT-25 & VCT-50



REPLACEMENT PARTS

Parts Identification



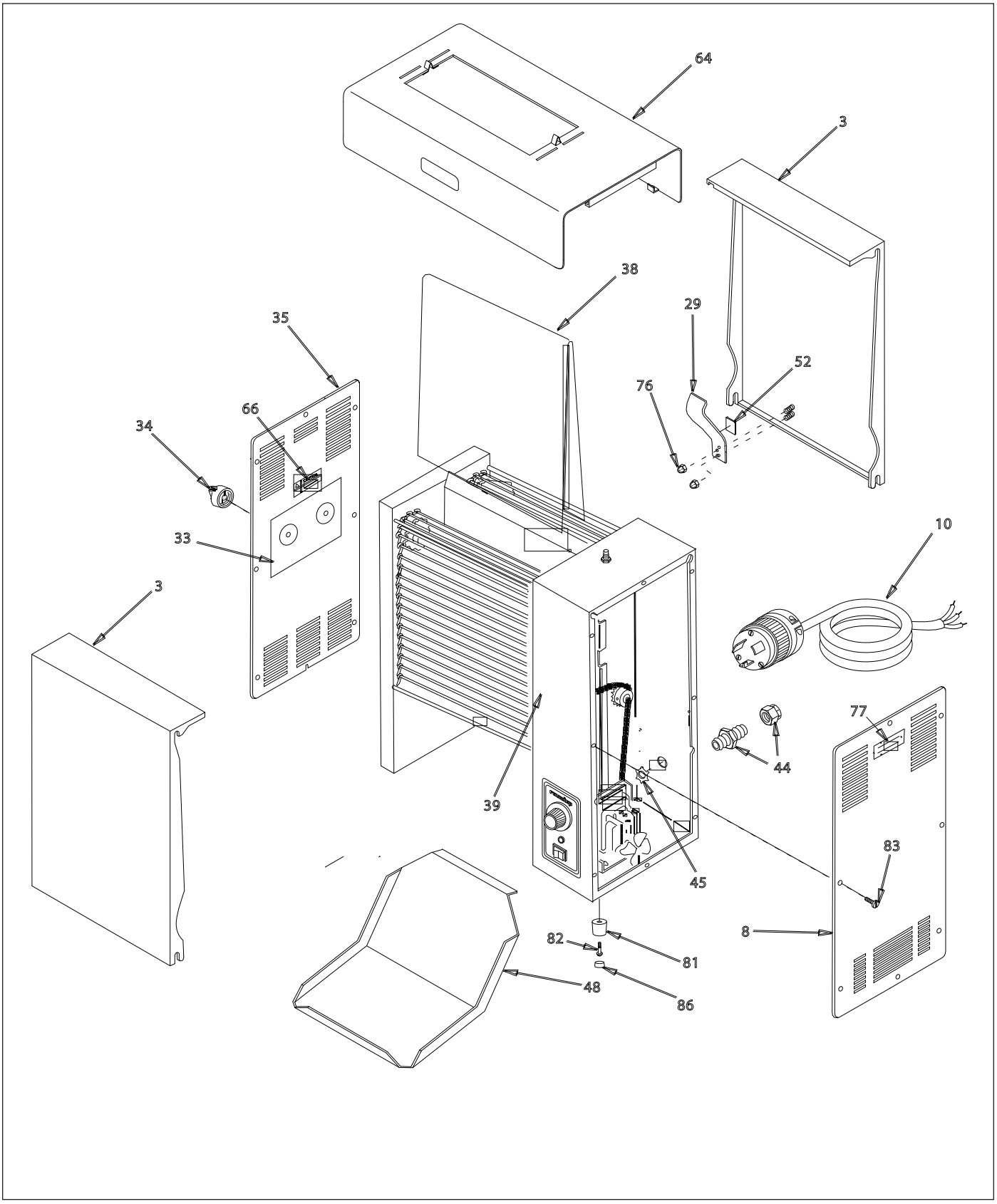
REPLACEMENT PARTS (continued)

Item	Part No.	Description	Qty.
1	0011264	Conveyor Belt	2
	0800204	1/2" Pitch Link, Small	4
	0800121	3/4" Pitch Link, Large	37
2	2150117	Idler Shaft	2
3	0011375	Conveyor Cover Assy.	2
4	0010475	Tensioner Assy. (Incl. #40, 76, 85)	4
5	0800332	Rod, Conveyor Cover	4
6	2150190	Sprocket	8
7	7000199*	Spacer Kit	2
8	0503362	Control Cover	1
9	2150118	Drive Shaft	2
10	0700452	Power Cord/Plug, NEMA 6-20P	1
	0700463	Power Cord/Plug, NEMA 5-15P	1
	0700451	Power Cord/Plug, NEMA 5-20P	1
	0700453	Power Cord/Plug, CEE 7/7	1
11	4030235	Thermostat, 530° F	1
12	2150158	Ball Bearing	2
13	2150186	Teflon Bearing	6
14	0503459	Bearing Retainer/Spacer	6
15	0503376	Bearing Retainer	6
16	7000167	Bearing & Retainer Kit (Includes #13,14,15 & 59)	1
17	2150193	Drive Sprocket, VCT-20	2
	2150109	Drive Sprocket, VCT-25/VCT-50	2
18	2150187	Drive Chain	1
19	0011299	Idler Sprocket & Bearing	1
20	0501232	Bracket, Idler Sprocket	1
21	0503589	Bracket, Motor Mounting	1
22	7000204	Drive Motor Kit, VCT-20 (Incl. #58)	1
	400K150	Drive Motor Kit, VCT-50 (120V) (Incl. #58)	1
	400K151	Drive Motor Kit, VCT-50 (230V) (Incl. #58)	1
	400K152	Drive Motor Kit, VCT-25 (120V) (Incl. #58)	1
	400K153	Drive Motor Kit, VCT-25 (230V) (Incl. #58)	1
23	2150173	Sprocket, Motor, VCT-20	1
	2150120	Sprocket, Motor, VCT-50	1
	2150110	Sprocket, Motor, VCT-25	1
24	4010137	Rocker Switch, On/Off (250V)	1
	4010151	Rocker Switch, On/Off (125V)	1
25	4060355	Terminal Block	1
26	0503495	Retainer, Tension Bracket, RH	2
27	0503507	Retainer, Tension Bracket, LH	2
28	4060229	Indicator Light, Amber (250V)	1
	4060323	Indicator Light, Amber (125V)	1
29	0011374	Spring Tensioner Assy.	2
30	0503496	Tensioner Bracket, Right	2
31	0503497	Tensioner Bracket, Left	2
32	1000899	Label, Control	1
33	10P1047*	Label, Dial (Pack of 10)	1
34	2100253	Knob, Cam	2
35	0503390	Cover, End Housing	1
36	2100133	Knob, Thermostat Control	1
37	0021170	Weldment, End Housing	1
38	7000110	Release Sheet (Pack of 3)	-
	7000111	Release Sheet (Pack of 10)	-

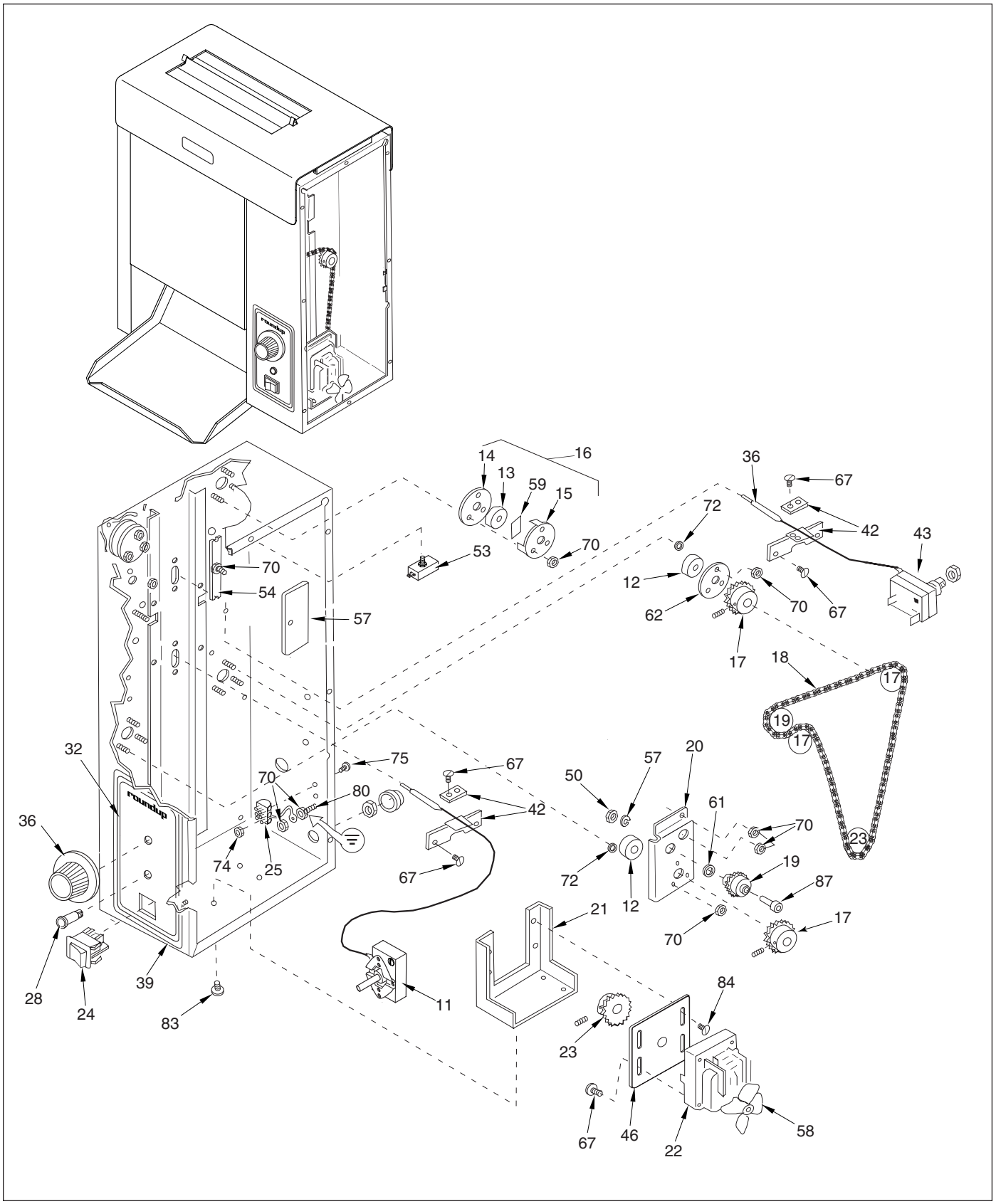
Item	Part No.	Description	Qty.
39	0021194	Weldment, Control Housing	1
40	7000121	Slide Rail Kit (Incl. Qty. 2 slide rails for tensioners)	2
41	0021207	Conveyor Cam	2
42	7000176	Thermocouple Retainer Kit	2
43	4030332	High Limit Thermostat	1
44	0400251	Strain Relief	1
45	0400138	Locknut, 1/2"	1
46	0503590	Bracket, Motor	1
47	0070582	Wire Set, VCT-20 (not shown)	1
	0700586	Wire Set, VCT-25/VCT-25 (not shown)	1
48	0503385	Bun Chute	1
49	4030313	Auxiliary Heater, 300W VCT-20 only MFG# 9200560	2
50	331P101*	Nut, Hex, 5/16 x 18"	1
51	7000229	Platen (120 Volt)	1
	7000200	Platen (208-240 Volt)	
	7000288	Platen (230 Volt) MFG# 9200640 only	
52	2100266	Teflon Tape	2
53	4010107	Interlock Switch	1
54	0503150	Heater Clip, VCT-20 only	2
57	0503608	Cover Plate	2
58	4000165	Fan Blade, Motor	1
59	2100256	Teflon Tape, Hi-Temp	8
61	212P118*	Flat Washer, 5/16"	1
62	0500464	Retainer, Bearing	1
64	0011330	Heat Shield Assy.	1
65	325P163	Setscrew, 1/4-28 x 5/16"	8
66	100P864*	Label, Caution Hot	1
67	308P154*	Screw, #10-32 x 3/8"	2
68	306P104*	Screw, #6-32 x 1/4"	8
69	406P107*	Cable Tie	1
70	308P143*	Nut, #8-32, "KEPS"	6
71	310P103*	Screw, #10-32 x 1/4"	4
72	310P140*	Washer, #10	6
73	308P101*	Nut, #8-32	3
74	306P101*	Nut, Hex, #6-32	2
75	306P123*	Screw, #6-32 x 7/8"	2
76	308P145*	Nut, Hex Acorn, #8-32	14
77	100P900*	Label, Service	1
78	325P104*	Washer, 1/4"	4
79	325P109*	Screw, 1/4-20 x 1/2"	4
80	308P124*	Screw, 1-Way, #8-32 x 1/2"	1
81	210P230	Bumper, Recess Leg, 1"	4
82	310P136*	Screw, #10-32 x 1-1/4"	4
83	308P133*	Screw, #8-32 x 1/4"	12
84	308P151*	Screw, SEMS, #8-32 x 5/16"	4
85	308P181*	Screw, Flat Hd., #8-32 x 3/8"	4
86	218P145*	Cover, Leg, Bumper	4
87	331P103*	Shoulder Bolt, 5/16-18 x l"	1
88	306P105*	Screw, #6-32 x 1/2"	1
89	0503455	Tension Spring, Inner	4
90	2100259	Slide Bar	4

* Only available in packages of 10.

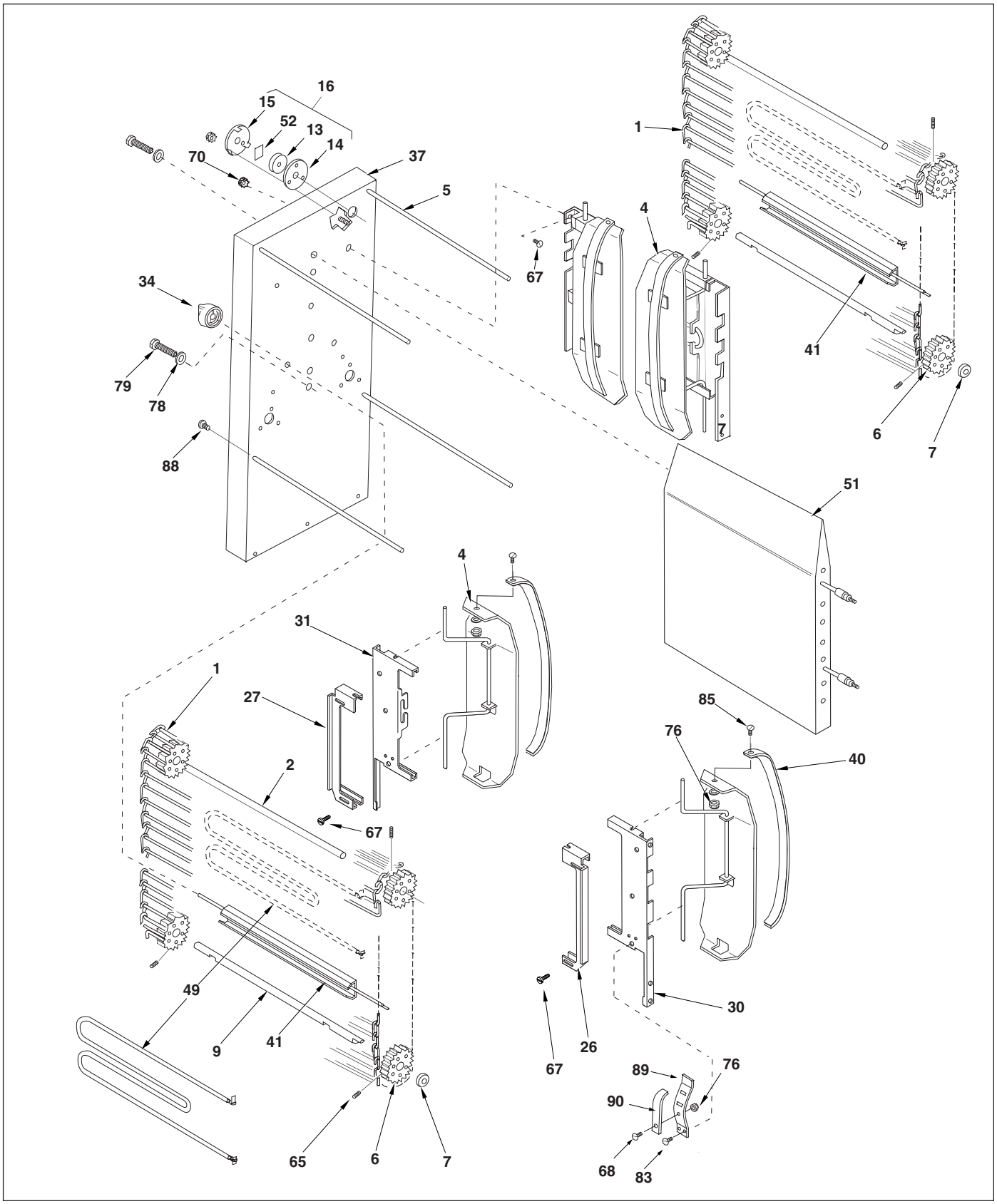
REPLACEMENT PARTS (continued)



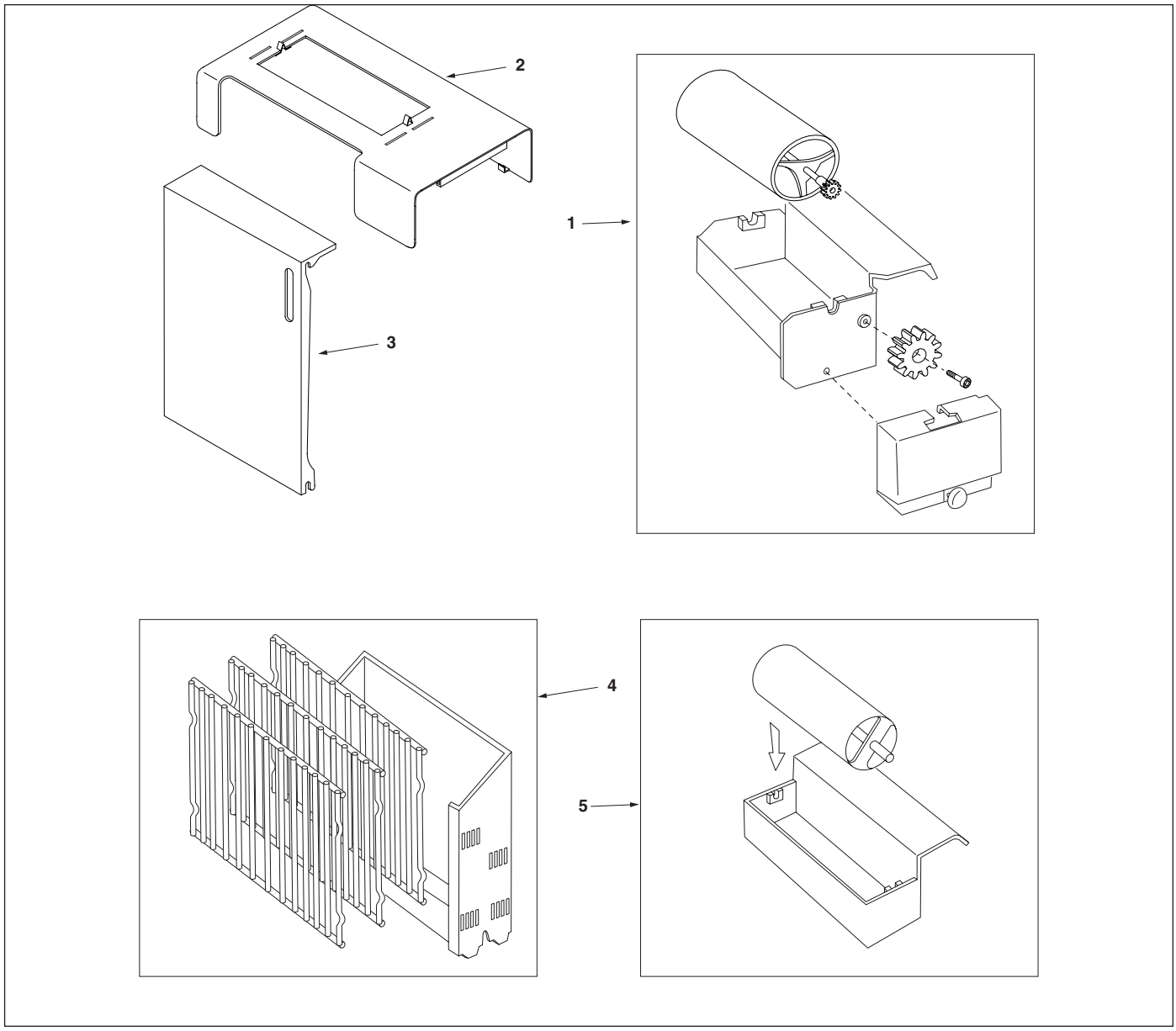
REPLACEMENT PARTS (continued)



REPLACEMENT PARTS (continued)



OPTIONAL PARTS – VCT-25 & VCT-50



Item	Part No.	Description	Qty.
1	001K118	Butter Wheel Kit, Mechanical	
1			
		(Must be used with #2, 3 & 4)	
2	0011405	Heat Shield, Special	1

Item	Part No.	Description	Qty.
		(Used with #1)	
3	0011406	Conveyor Cover Assy.	1
		(Used with #1)	
4	7000236	Bun Feeder	1
5	7000238	Butter Wheel Kit	1

NOTES

NOTES

LIMITED WARRANTY

Equipment manufactured by Roundup Food Equipment Division of A.J. Antunes & Co. has been constructed of the finest materials available and manufactured to high quality standards. These units are warranted to be free from mechanical and electrical defects for a period of one year from date of purchase or 18 months from shipment from factory, whichever occurs first, under normal use and service, and when installed in accordance with manufacturer's recommendations. To insure continued proper operation of the units, follow the maintenance procedure outlined in the Owner's Manual.

1. This warranty does not cover cost of installation, defects caused by improper storage or handling prior to placing of the Equipment. This warranty does not include overtime charges or work done by unauthorized service agencies or personnel. This warranty does not cover normal maintenance, calibration, or regular adjustments as specified in operating and maintenance instructions of this manual, and/or labor involved in moving adjacent objects to gain access to the Equipment. This warranty does not cover consumable items such as platen release sheet and conveyor belt wraps. This warranty does not pay travel, mileage, or any other charges for an authorized service agency to reach the equipment location.

2. Roundup reserves the right to make changes in design or add any improvements on any product. The right is always reserved to modify equipment because of factors beyond our control and government regulations. Changes to update equipment do not constitute a warranty charge.

3. If shipment is damaged in transit, the purchaser should make a claim directly upon the carrier. Careful inspection should be made of the shipment as soon as it arrives and visible damage should be noted upon the carrier's receipt. Damage should be reported to the carrier. This damage is not covered under this warranty.

4. Warranty charges do not include freight or foreign, excise, municipal or other sales or use taxes. All such freight and taxes are the responsibility of the purchaser.

5. THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EACH OF WHICH IS HEREBY EXPRESSLY DISCLAIMED. THE REMEDIES DESCRIBED ABOVE ARE EXCLUSIVE AND IN NO EVENT SHALL ROUNDUP BE LIABLE FOR SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR THE BREACH OR DELAY IN PERFORMANCE OF THIS WARRANTY.

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